

geocoordinate & map

Manual



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softwareentwicklung

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1. What does it do?

In google-maps, you can create your own maps displaying several placemarks with additional information.

You may manually create placemarks in google-maps, but that might be a lot of work, if you have thousands of addresses to be displayed. For example, if you like to show all Fast-Food restaurants in the U.S.A.

geocoordinate & map uses your address lists and saves them as kml-files, which are used by the google-api for displaying the placemarks in a google-map.

The google-map api only accepts kml-files holding the corresponding geodata (latitude and longitude) to an address.

Therefore geocoordinate & map first retrieves the corresponding geodata (latitude and longitude) to the address also using the google api.

Since geocoordinate & map also exports plain tab-delimited text-files you may use the geo-information in many other navigation software products

2. How To

2.1 Prepare the Table Data

Most address lists are hold in excel-sheets. This sheet may be formatted any way. To get thos lists in geocoordinate & map, you have to format it this way.

geocoordinate & map needs the following columns (in any order) with the corresponding headerline.

- name (used in google-maps placemark info as „name“)
- description (optional, used in google-maps placemark info as „description“)
- street
- zip
- city
- country

After formatting the table should look like this.

	A	B	C	D	E	F
1	name	description	zip	city	street	country
2	Harrow School	Boarding School	HA1 3HP	Harrow on the Hill	57 High Street	Great Britain
3	Newland House School	Boarding School	TW1 4TQ	Twickenham Middle	Waldegrave Park	Great Britain
4	Robert Gordon's College	Boarding School	AB10 1FE	Aberdeen	Schoolhill	Great Britain
5	Abingdon School	Boarding School	OX14 1DE	Abingdon	Park Road	Great Britain
6	Radley College	Boarding School	OX14 2HR	Abingdon		Great Britain
7	The European School	Boarding School	OX14 3DZ	Abingdon	Culham	Great Britain
8	Unicorn School	Boarding School	OX14 1DJ	Abingdon	Whitefield Park Crescen	Great Britain
9	Cothill House	Boarding School	OX13 6JL	Abingdon	Cothill	Great Britain
10	Our Lady's Abingdon Senior Sch	Boarding School	OX14 3PS	Abingdon	Radley Road	Great Britain
11	The Manor Prep School	Boarding School	OX13 6LN	Abingdon	Faringdon Road	Great Britain
12	Cedars School	Boarding School	RG7 4LR	Aldermaston	Church Road	Great Britain
13	Ormer House Prep School	Boarding School	GY9 3XA	Alderney	La Vallee	Great Britain
14	Treloar School	Boarding School	GU34 4LA	Alton	Upper Froyle	Great Britain
15	Alton Convent School	Boarding School	GU34 2NG	Alton	Anstey Lane	Great Britain
16	Culcheth Hall	Boarding School	WA14 2LT	Altrincham	Ashley Road	Great Britain
17	Loreto Prep School	Boarding School	WA14 4AH	Altrincham	Dunham Road	Great Britain
18	North Cestrian Grammar Schoo	Boarding School	WA14 4AJ	Altrincham	Dunham Road	Great Britain
19	St. Ambrose Prep School	Boarding School	WA15 0HE	Altrincham	Hale Barns	Great Britain
20	The Beacon School	Boarding School	HP6 5PF	Amersham	Chesham Bois	Great Britain
21	Farleigh School	Boarding School	SP11 7PW	Andover	Red Rice	Great Britain
22	Rookwood School	Boarding School	SP10 3AL	Andover	Weyhill Road	Great Britain
23	Bront' House	Boarding School	BD10 0PQ	Apperley Bridge	Apperley Bridge	Great Britain
24	The Royal School	Boarding School	BT61 9DH	Armagh	College Hill	Great Britain

Now, you have to save the file as tab-delimited text. This is easily done by choosing „Save as“ in Microsoft Excel and choosing the right filetype.

2.2 Import the tabledata in geocoordinate & map

Start geocoordinate & map, choose „Choose file...“ and select the tab-file.

Now you are asked to tell geocoordinate & map the right text-encoding. The text encoding of the file depends on on which system it was saved.

Mostly when you work on a Macintosh, this is „MacRoman“. If you work on Windows based Computer it is normally „Latin1“. On newer Systems files are sometimes written in UTF-8 (Unicode).

2.3 Get the Geodata (Latitude and Longitude)

After import, you should see your addresses in the table. Now start fetching the Geodata from google by clicking on the Button labeled „Fetch geocoordinates...“.

You are now asked, to fetch the geodata only for the selected rows or for all rows. Offering fetching the geodata only for selected rows has a special reason.

#	name	description	street	zip	city	country	latitude	longitude
1	Harrow School	Boarding School	57 High Street	HA1 3HP	Harrow on th...	Great Britain	51.5702605	-0.3397354
2	Newland House S...	Boarding School	Waldegrave Park	TW1 4TQ	Twickenham ...	Great Britain	51.4336218	-0.3331644
3	Robert Gordon's ...	Boarding School	Schoolhill	AB10 1FE	Aberdeen	Great Britain	57.1478670	-2.1004629
4	Abingdon School	Boarding School	Park Road	OX14 1DE	Abingdon	Great Britain	51.6717110	-1.2890820
5	Radley College	Boarding School		OX14 2HR	Abingdon	Great Britain	51.6934842	-1.2498076
6	The European Sch...	Boarding School	Culham	OX14 3DZ	Abingdon	Great Britain	51.6559866	-1.2577414
7	Unicorn School	Boarding School	Whitefield Park ...	OX14 1DJ	Abingdon	Great Britain	51.6735770	-1.2913240
8	Cothill House	Boarding School	Cothill	OX13 6JL	Abingdon	Great Britain	51.6914618	-1.3320264
9	Our Lady's Abing...	Boarding School	Radley Road	OX14 3PS	Abingdon	Great Britain	51.6795540	-1.2646610
10	The Manor Prep S...	Boarding School	Faringdon Road	OX13 6LN	Abingdon	Great Britain	51.6776459	-1.2999768

[geocoordinate & maps MainWindow]

For time to time there might occur a problem in getting the data from google. This might happen, if the the google-server has lot to do. In that cases, google does not deliver data, and geocoordinate & map will show this in displaying the word „data“ in the latitude and longitude column.

Therefore you may select those rows again, and start fetching the data only for selected rows.

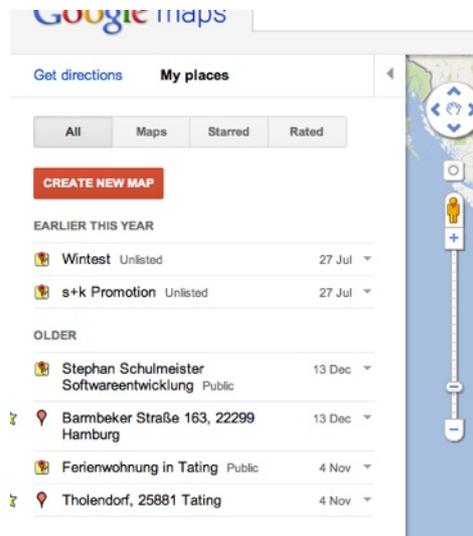
Please notice, that in some cases google only allows up to 5000 queries per ip-address per day.

2.4 Save the data

Now you can save your data as a tab delimited text file or as a kml-file(xml) which is uses by the google-api. Just click the corresponding button in Table Window and choose a filename.

2.5 Creating a google map and importing placemarks geodata.

Login to google with your google-account or create a new one(register). Choose „MAPS“ from the google menu (this can also be found in „My Profile“). Navigate to „My places.



Now choose „Create new map“. Choose a name for the map and define, if it should be public or unlisted.

Collaborate Import Done Save

Title

Description

Privacy and sharing settings [Learn more](#)

Public - Shared with everyone. This map will be published in search results and user profiles.

Unlisted - Shared only with selected people who have this map's URL.

Now click „Import“ and select the kml-file, which was saved by geocoordinate & map.

Import KML

Add map data from a KML, KMZ, or GeoRSS file to this map. This may take a few minutes depending on the speed of your internet connection.

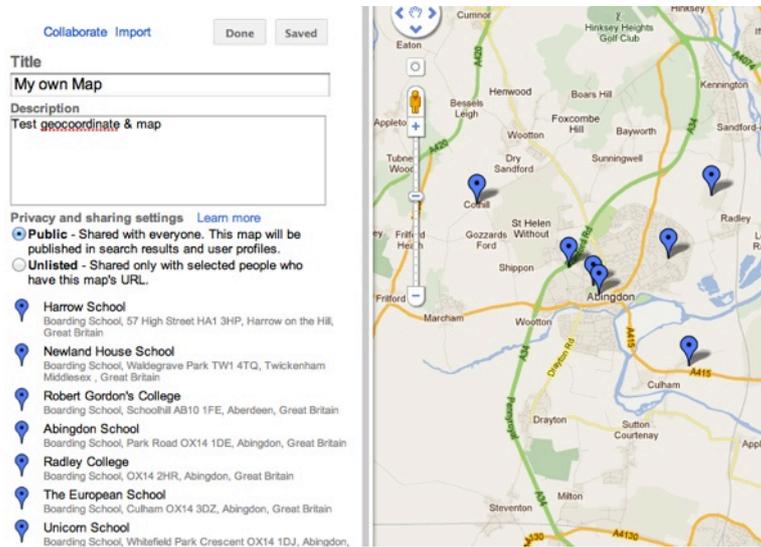
Maximum size: 10MB

Browse your computer to select map data to upload

Or enter the url of map data on the web

If there is any data in the file, which is incomplete or false, then google might stop importing the file displaying an error. You have to check your data.

After successful import you should see your map looking like this.



google Paging

If you import the placemarks data as described above, google separates your data into single pages displaying about 60-200 placemarks on one page.

If you want to see all the placemarks on one map-page, there is a work-around. Therefore, you need to transfer the kml-file on a http-Server (e.g. via ftp) of your choice.

Then navigate to maps.google in you browser (<http://maps.google.com>) and copy the http address of the kml-file (e.g. <http://aconcahua.com/mymapdata>) into the Search-field and start the query.

google loads the data of the file and will display it on one single page, as shown below.

